

SNC Reference Number
(enter if previously assigned)

SNC 080012

PROJECT SUMMARY

County: Nevada and Placer Counties

Applicant: American Rivers

Project Title: Bear Valley Meadow: Restoring Ecological and Cultural Integrity

PROJECT GOAL

The overall goal of the Bear Valley Meadow Project is to restore both the cultural and ecological integrity of this critical Sierra system, and provide a model of integrated restoration that incorporates climate change, and cultural and ecological elements

PROJECT SCOPE

Offered by a diverse and strong partnership including American Rivers, Tsi-Akim Maidu Tribe, Restoration Design Group, Yuba Watershed Institute, Stockholm Environment Institute, South Yuba Citizens League, and the CABY Management Team, the overall goal of the Bear Valley Meadow Project is to restore both the cultural and ecological integrity of this critical Sierra system. Objectives in support of this goal include: 1) Design and implement a meadow restoration plan that is resilient in the face climate change, and that is integrated with a cultural resources plan; 2) Increase the capacity of tribal elders to mentor tribal youth in restoration research, monitoring, and implementation; 3) Provide solid and quantifiable results of meadow restoration that document the ability of restored meadows to act as "natural reservoirs" increasing water storage capacity, and "natural filters" increasing water quality; and 4) Provide a widely accessible demonstration site for integrated restoration to inspire and inform other such actions throughout the Sierra

The project is structured to proceed in a careful, stepwise manner with five Phases: 1) assessment and conceptual design; 2) detailed technical design; 3) CEQA and permitting; 4) implementation; and 5) on-going monitoring and adaptive management. Each of the Phases also includes an educational and monitoring element. Phase I will be completed by November 2008 with funding from the Bella Vista Foundation and with technical assistance from the Mountain Meadows IRWMP. With this proposal, we request funding from SNC for Phase II: the detailed technical design.

Tasks for this Phase include: 1. Management and Performance Measures, 2. Geologic and Hydrologic Studies, 3. Incorporating Climate Change, 4. Technical Restoration Design, 5. Cultural Resources Management Plan, 6. Tribal Youth Involvement, and 7. Integrated Monitoring. Below each of these tasks are

described in detail.

There are several scattered efforts underway in the Sierra to protect and restore meadow habitat. Missing from these efforts are: 1) examples of restoration projects with integrated monitoring; 2) a science-based process to integrate climate change predictions into restoration design; 3) collaborative projects that leverage citizen monitors; and 4) involvement of tribal interests in meadow restoration and management that recognizes the unique historical value these habitats hold for Native Americans. This project aims to fill these critical gaps.

This project is requesting \$107,000 from SNC and will provide a match of \$47,000 for a total project cost of \$154,000. This match is 31% of the entire budget and 44% of the funding requested from SNC. Match funding is a combination of grant funds and in-kind services and equipment and has already been secured.

The project team is fully capable of all aspects of project management to ensure successful implementation. American Rivers will provide overall project management and coordination, as well as technical expertise related to Tasks 2, 4, and 7. The Tsi-Akim Maidu will provide guidance in the assessment and planning process, especially relative to the many cultural and historical sites in the Valley, and in implementing Tasks 5 and 6. Restoration Design Group will work directly with American Rivers in designing and implementing these tasks. Stockholm Environment Institute (SEI) will provide the climate change scenarios, including the expected new flow regimes that will influence the design elements of the project. Yuba Watershed Institute (YWI) will provide assistance in Task 6 especially related to curriculum development. South Yuba Citizens League will involve citizen monitors in the assessment and monitoring tasks.

LETTERS OF SUPPORT

Attached to this proposal are letters of support from all project partners, including:

Tania Carlone, Yuba Watershed Institute
 David Purkey, Stockholm Environment Institute
 Rich Walkling, Restoration Design Group
 Carol Ackerson, Pacific Gas and Electric
 Don Ryberg, Tsi-Akim Maidu Tribe
 Gary Reedy, South Yuba Citizens League
 Katie Burdick, CABY

SNC PROJECT DELIVERABLES AND SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
Stream Management Plan (Task 2)	October 31, 2009

Restoration and Climate Change Technical Memo (Task 3)	May 1, 2009
Project Vicinity, Contour, and Aerial maps (Task 4)	October 1, 2009
Schematic level plan, sections, profile drawings and finalized project maps (Task 4)	February 1, 2010
Finalized Cultural Resource Management Plan (Task 5)	September 1, 2010
Tribal Youth Curriculum (Task 6)	August 31, 2009
Tribal Youth Program Assessment (Task 6)	January 15, 2011
New PG& Research License (Task 7)	May 1, 2009
Bear Valley Monitoring Plan and QAPP (Task 7)	July 1, 2009
Final Integrated Monitoring Protocol Memo (Task 7)	June 1, 2010

SNC PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Personnel Services	\$33,000
	\$
Supplies	\$4,100
License Agreement	\$1,000
Travel	\$2,700
	\$
	\$
Subgrants	\$66,200
	\$
	\$
SNC GRANT TOTAL	\$107,000